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**PATENT** 

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:

Mathis

Confirmation No.: Not Assigned

Appl. No.:

Not Assigned March 11, 2004 Art Unit: Examiner: Not Assigned Not Assigned

Filed: For:

NOVEL BT TOXIN RECEPTORS AND METHODS OF USE

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

#### INFORMATION DISCLOSURE STATEMENT CITATION UNDER 37 C.F.R. § 1.97

Sir:

Attached is a list of documents on form PTO-1449 together with a copy of each identified document.

It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

Respectfully submitted,

Kathryn L. Coulter Registration No. 45,889

**CUSTOMER NUMBER 29122** 

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Substitute for form 1449/PTO (Revised 04/2003)				Complete if Known		
				Application Number	Not Assigned	
INTEGR	N # A 700 F 40 N	I DICCI O	CLIDE	Filing Date	March 11, 2004	
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT			First Named Inventor	Mathis	
				Group Art Unit	Not Assigned	
(Use as many sheets as necessary)			)	Examiner Name	Not Assigned	
Sheet	2	of	3	Attorney Docket Number	035718/274644(5718-201)	

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19	KEETON, T.P., and BULLA, L.A., Jr., "Ligand Specificity and Affinity of BT-R <sub>1</sub> , the <i>Bacillus thuringiensis</i> Cry1A Toxin Receptor from Manduca sexta, Expressed in Mammalian and Insect Cell Cultures," <i>Applied and Environmental Microbiology</i> , September 1997, pp. 3419-3425, Vol. 63, No. 9	
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Examiner	Date	
Signature	Considered	

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet	1	of	3	Attorney Docket Number	035718/274644(5718-201)	

			U. S. PATENT I	OCUMENTS		
Examiner Initials*	Cite No.	Document Number  Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, L Relevant Passages of F Appear	elevant Figures
	1	US-5,693,491	12-02-1997	Bulla et al.		<del> </del>
	2	US-5,804,393	09-08-1998	Geiser et al.		
	3	US-6,007,981	12-28-1999	Bulla		
		E	DEICN DATEN	T DOCUMENTS		
		Foreign Patent Document	REIGN PATEN	T DOCUMENTS	Pages, Columns, Lines,	English
Examiner Initials	Cite No.	Country Code Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached
	4	WO 96/12964 A1	02-05-1996	University of Wyoming		
	5	WO 98/59048 A1	12-30-1998	University of Wyoming		
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	ļ <u>.</u>					
			OTHER DO			
Examiner Initials	Cite No.	Include name of the author (in CAP magazine, journal, serial, symposium where published.	TTAL LETTERS), title m, catalog, etc.), date, p	of the article (when appropriate), title page(s), volume-issue number(s), pub	of the item (book, lisher, city and/or country	English Language Translation Attached
DORSCH, J.A., "Isolation and Characterization of the Insecticidal Toxin Binding Site From the Receptor BT-r <sub>1</sub> of <i>Manduca sexta</i> ," May 1998, A dissertation submitted to the Department of Molecular Biology and the Graduate School of the University of Wyoming, Laramie, Wyoming						
	BORSCH, J.A., et al., "CRY1A Toxins of <i>Bacillus thuringiensis</i> bind specifically to a region adjacent to the membrane-proximal extracellular domain of BT-R <sub>1</sub> in <i>Manduca sexta</i> : involvement of a cadherin in the entomopathogenicity of <i>Bacillus thuringiensis</i> ," <i>Insect Biochemistry and Molecular Biology</i> , 2002, pp. 1025-1036, Vol. 32.					
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Sheet	٦ .	of	3	Attorney Docket Number	035718/274644(5718-201)	

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